

Appl. No. 10/690,168

Amdt. dated November 11, 2005

Reply to Office Actions of November 8, 2005 and June 15, 2005

Attorney Docket K-1939

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A cutting tool assembly support block comprising:
~~a support block to be secured to a moving element of a mining machine,~~
~~comprising:~~
~~a protection sleeve fixed into said support block;~~
~~a replaceable spray nozzle housing welded onto said support block;~~
~~a block fluid passage located in said support block wherein said replaceable~~
~~nozzle housing is in fluid communication with said block fluid passage~~
a support block body having a first outer surface portion having a fluid outlet
opening and a second outer surface portion having a fluid inlet opening, and a fluid
passageway having an upstream portion, a sidewall chamber having a removable plug
and a downstream portion, wherein said upstream portion is in fluid communication with
said fluid inlet opening and said sidewall chamber, said downstream portion is in fluid
communication with said fluid outlet opening and said sidewall chamber, and wherein
said upstream portion is not collinear with said downstream portion; and
a spray nozzle attached to said support block body first outer surface, said spray
nozzle comprising a housing having a bottom surface having an elongated recess
chamber, said housing having a fluid inlet passage, a main fluid chamber, and a nozzle
outlet, wherein said fluid outlet opening of said support block body is in fluid
communication with said elongated recess chamber, said elongated recess chamber is in
fluid communication with said fluid inlet passage, said fluid inlet passage is in fluid
communication with said main fluid chamber and said main fluid chamber is in fluid
communication with said nozzle outlet.

2 - 4. (canceled)

5. (currently amended) The cutting tool assembly support block
according to claim 1 ~~claim 2~~, wherein said upstream portion and said downstream
portion of said fluid passageway are substantially straight so as to permit a drill to be
inserted through said sidewall chamber and into said upstream portion and into said
downstream portion of said fluid passageway ~~first fluid passage~~ for cleaning.

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6 - 11. (canceled)

12. (currently amended) The cutting tool assembly support block according to ~~claim 11~~ claim 1 wherein said ~~open end elongated recess chamber~~ has a cross-sectional area at least twice as great as the cross-sectional area of said fluid outlet opening of said the block outlet.

13. (currently amended) The cutting tool support block assembly according to ~~claim 7~~ claim 1 wherein said spray nozzle housing ~~has a~~ bottom surface ~~that cooperates together with a first~~ said first outer surface of ~~the~~ said support block to form contact surfaces and wherein said spray nozzle has a central longitudinal axis, and said bottom surface of said spray nozzle is oriented at an angle between from 2° to about 20° with respect to said central longitudinal axis of said spray nozzle.

14. (withdrawn) A method of making a cutting bit support block having a spray nozzle comprising the steps of:
providing a cutter bit support block with a block fluid passage having an outlet opening wherein the support block is either cast or cold-formed from a heat treatable weldable steel;

providing a spray nozzle housing with a fluid passage having an open end;
connecting the spray nozzle housing to the support block.

15. (withdrawn) The method of claim 14 wherein the support block has a block fluid passage with an inlet for connection to a water supply and a support block outlet at the opposite end of said block fluid passage; said spray nozzle housing having a recess chamber;

wherein said connecting includes aligning an open end of said recess chamber with said support block outlet.

16. (withdrawn) The method of claim 14 wherein said connecting comprises welding said spray housing nozzle to said support block.

17. (withdrawn) A generally cylindrical spray nozzle housing comprising:

a generally circular forward face having an outlet; and

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a bottom surface,

wherein said bottom surface has an elongated recess chamber.

18. (withdrawn) The generally cylindrical spray nozzle housing according to claim 17 wherein said bottom surface is generally flat.

19. (withdrawn) The generally cylindrical spray nozzle housing according to claim 17, wherein said generally cylindrical spray nozzle has a central longitudinal axis, said generally flat bottom surface is oriented at an angle between from 2° to about 20° .